

FIG. 2A

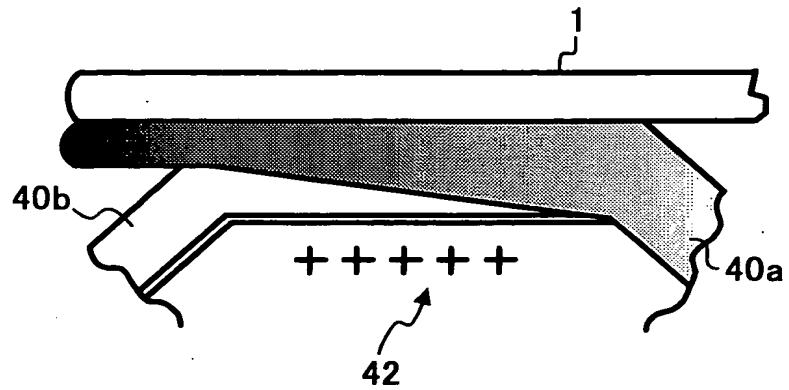


FIG. 2B

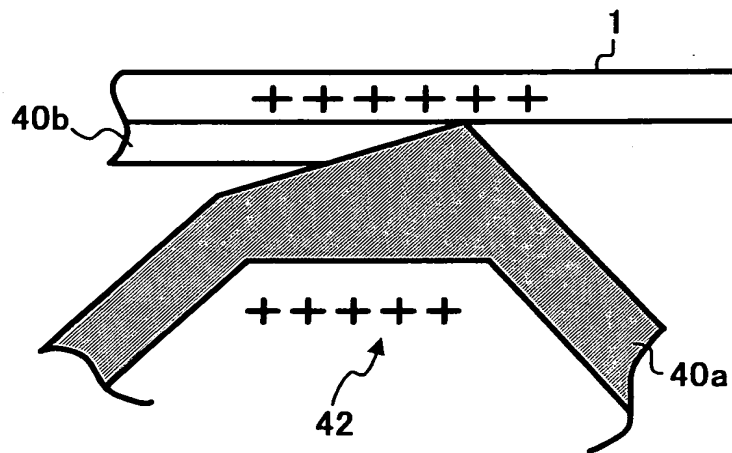
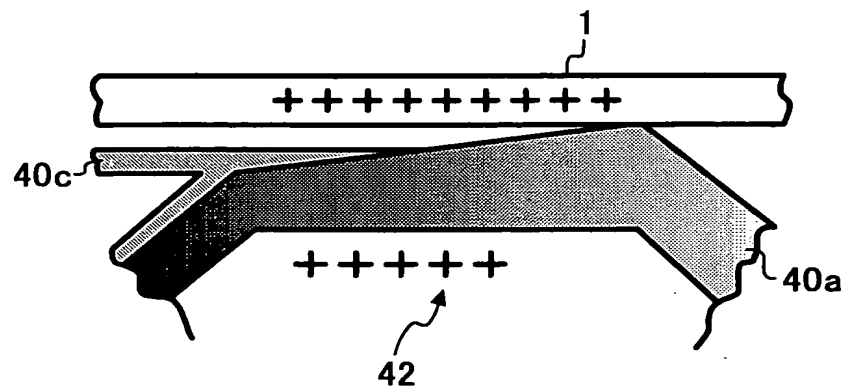


FIG. 2C



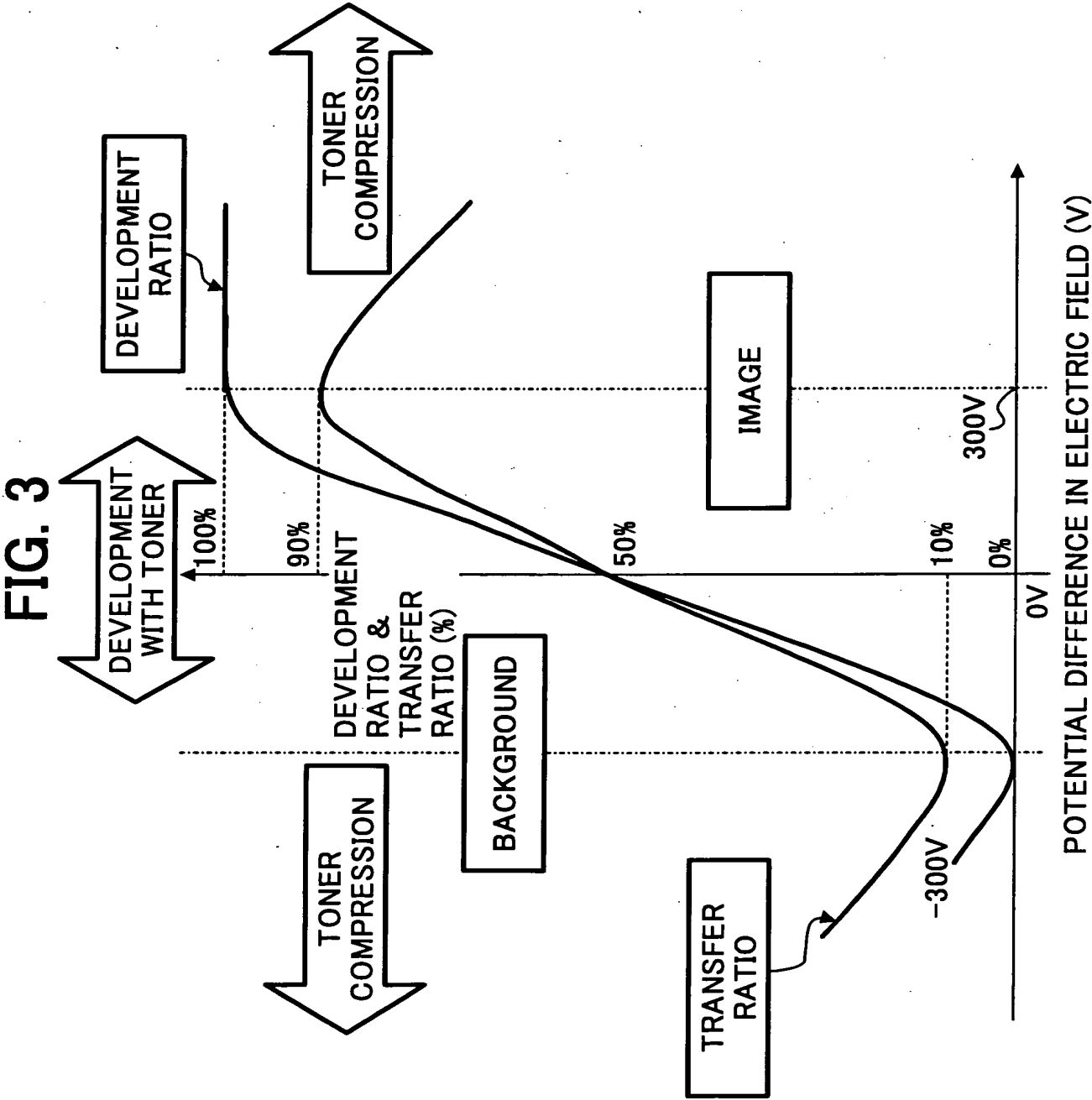


FIG. 4A

FIG. 4B

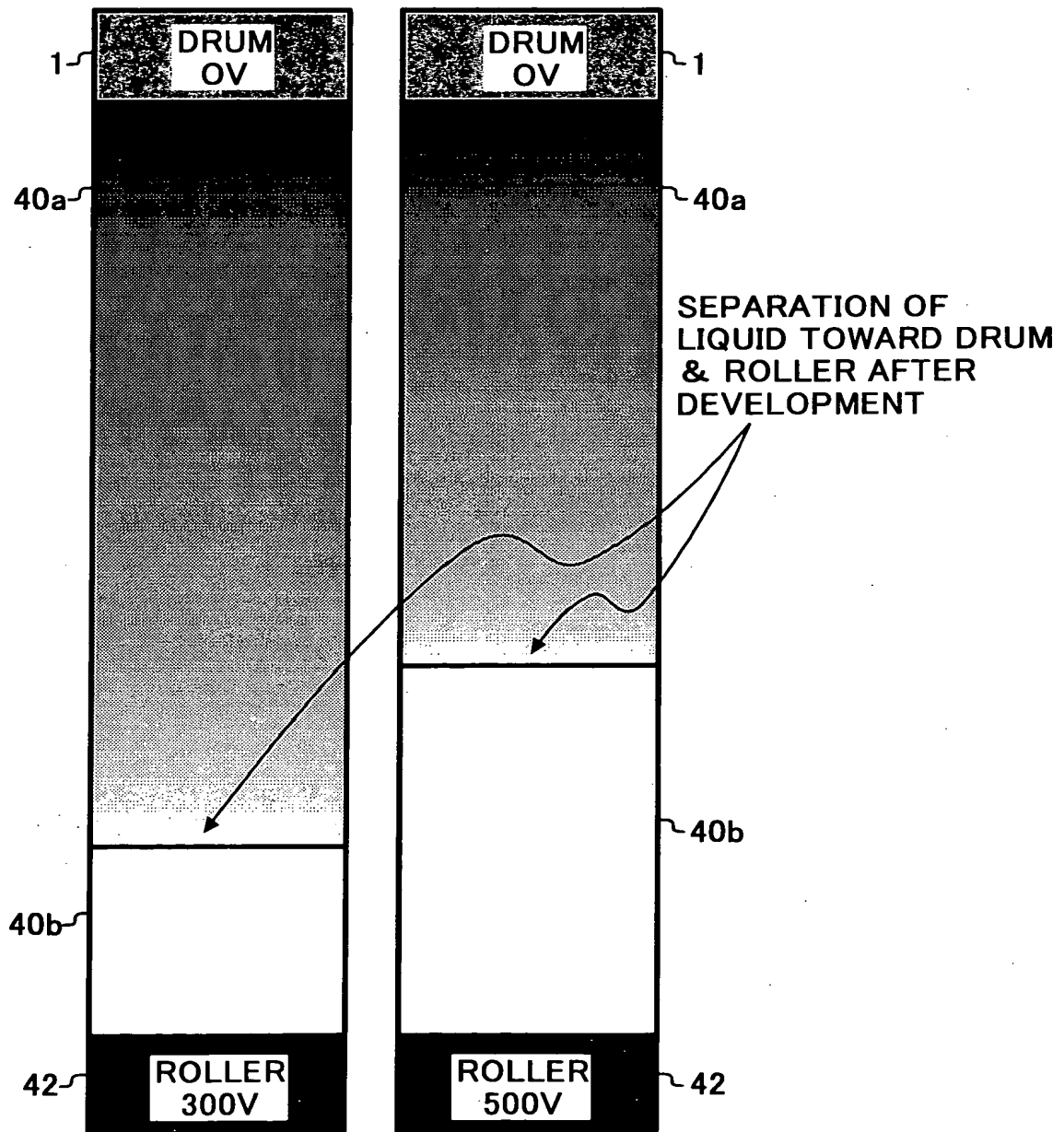


FIG. 5

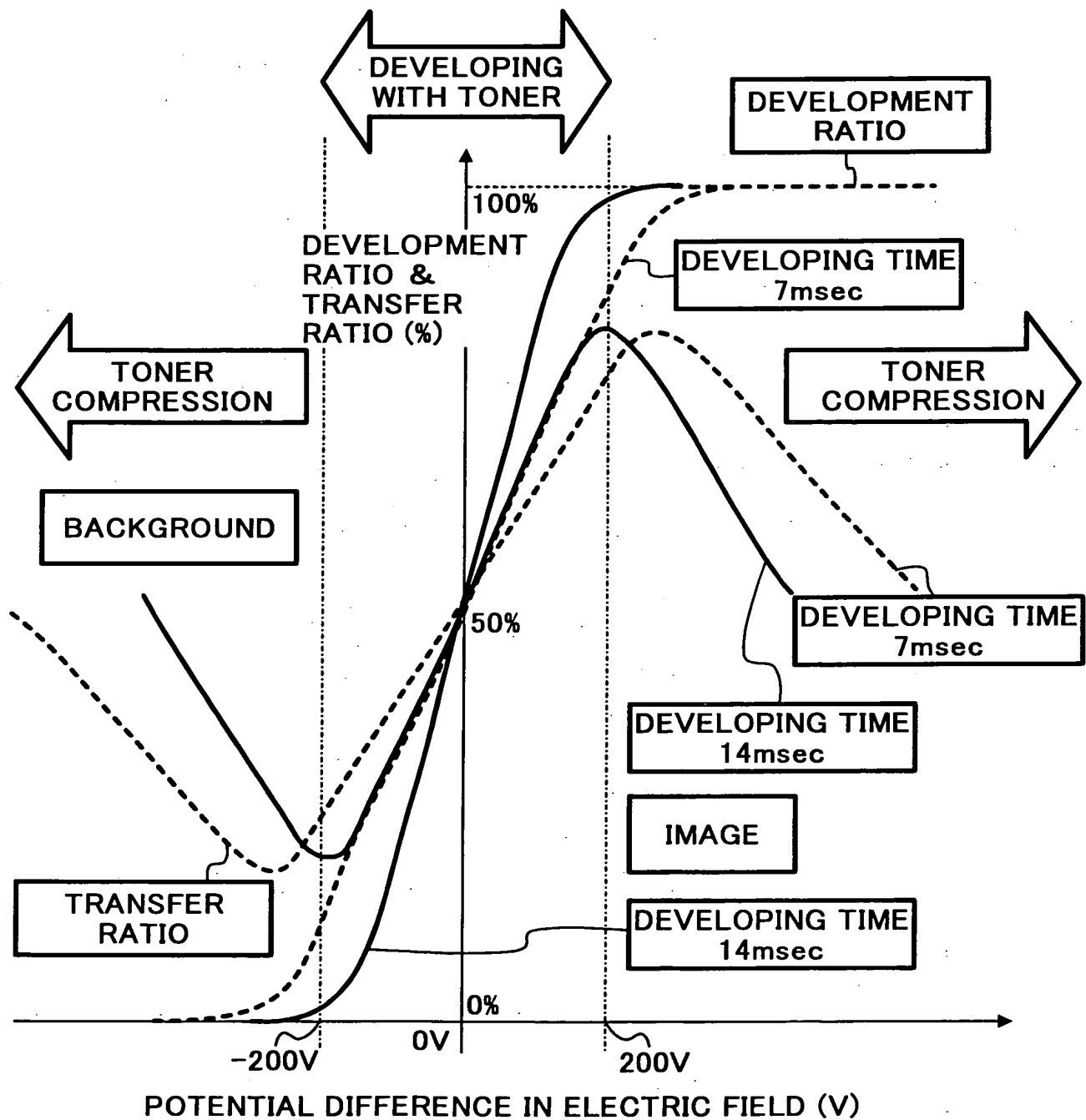


FIG. 6

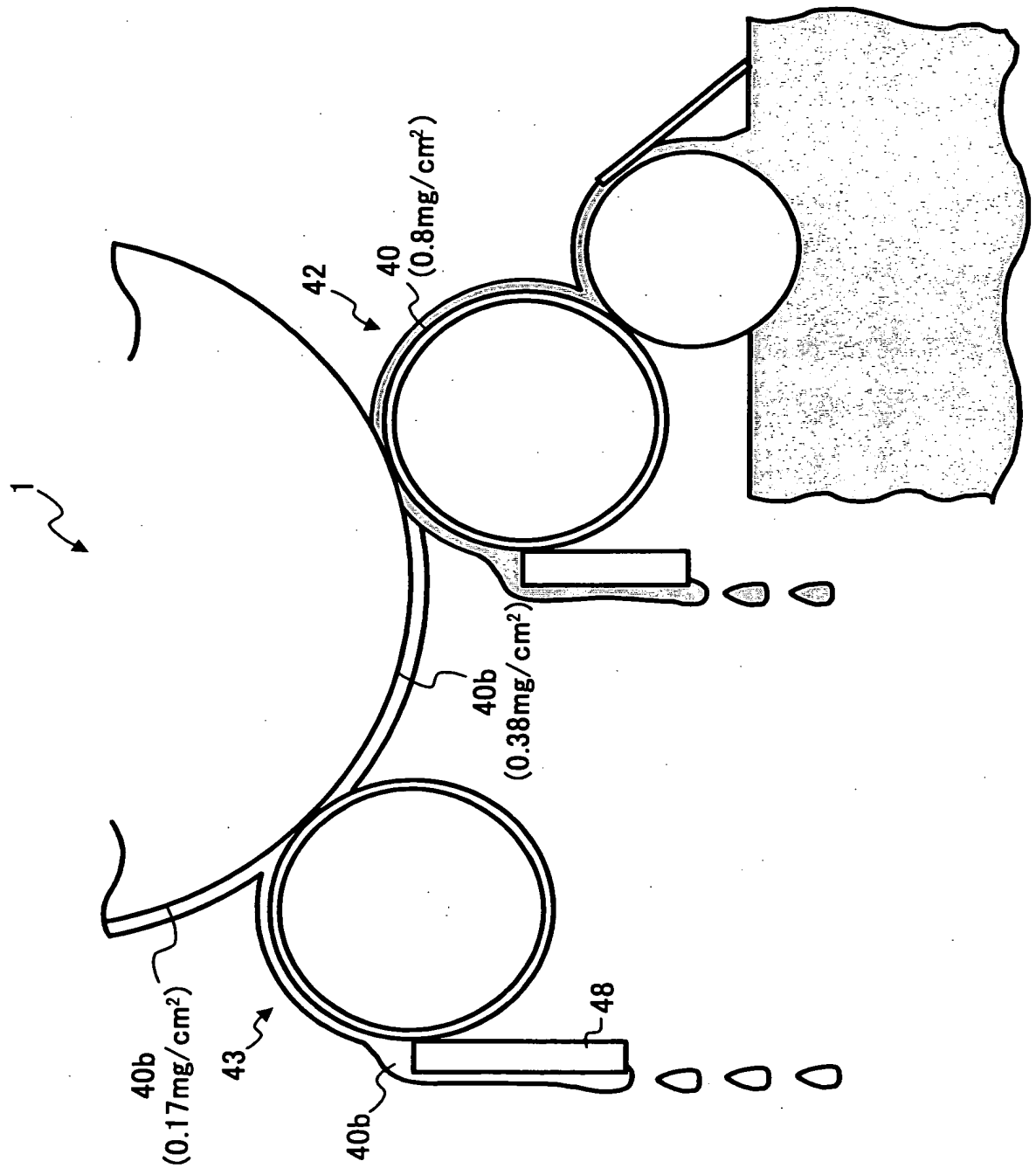


FIG. 7

	SWEEP ROLLER NIP (2mm)	
	AFTER SWEEP ROLLER (mg/cm ²)	AFTER DEVELOPING ROLLER (mg/cm ²)
BACKGROUND	0.17	0.38
IMAGE	0.52	0.68

FIG. 8A

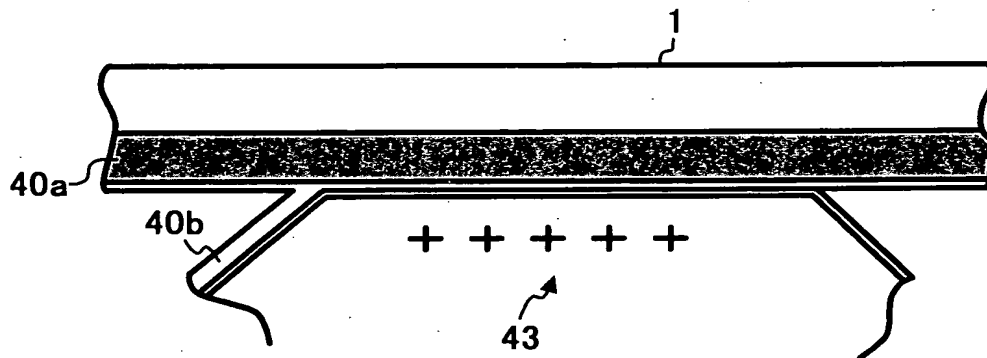


FIG. 8B

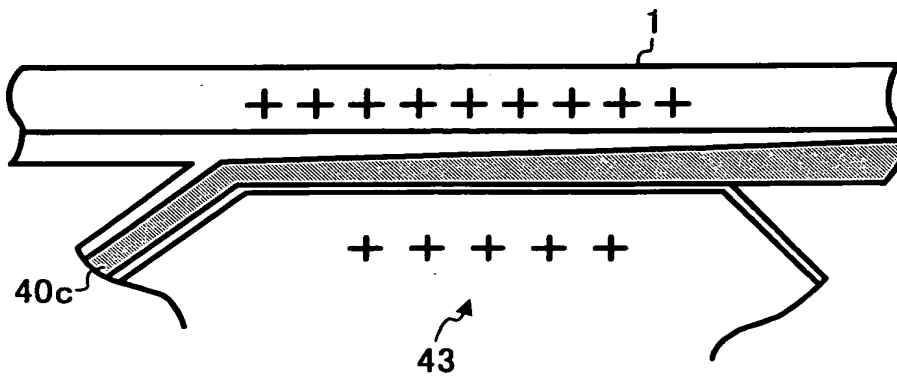


FIG. 9

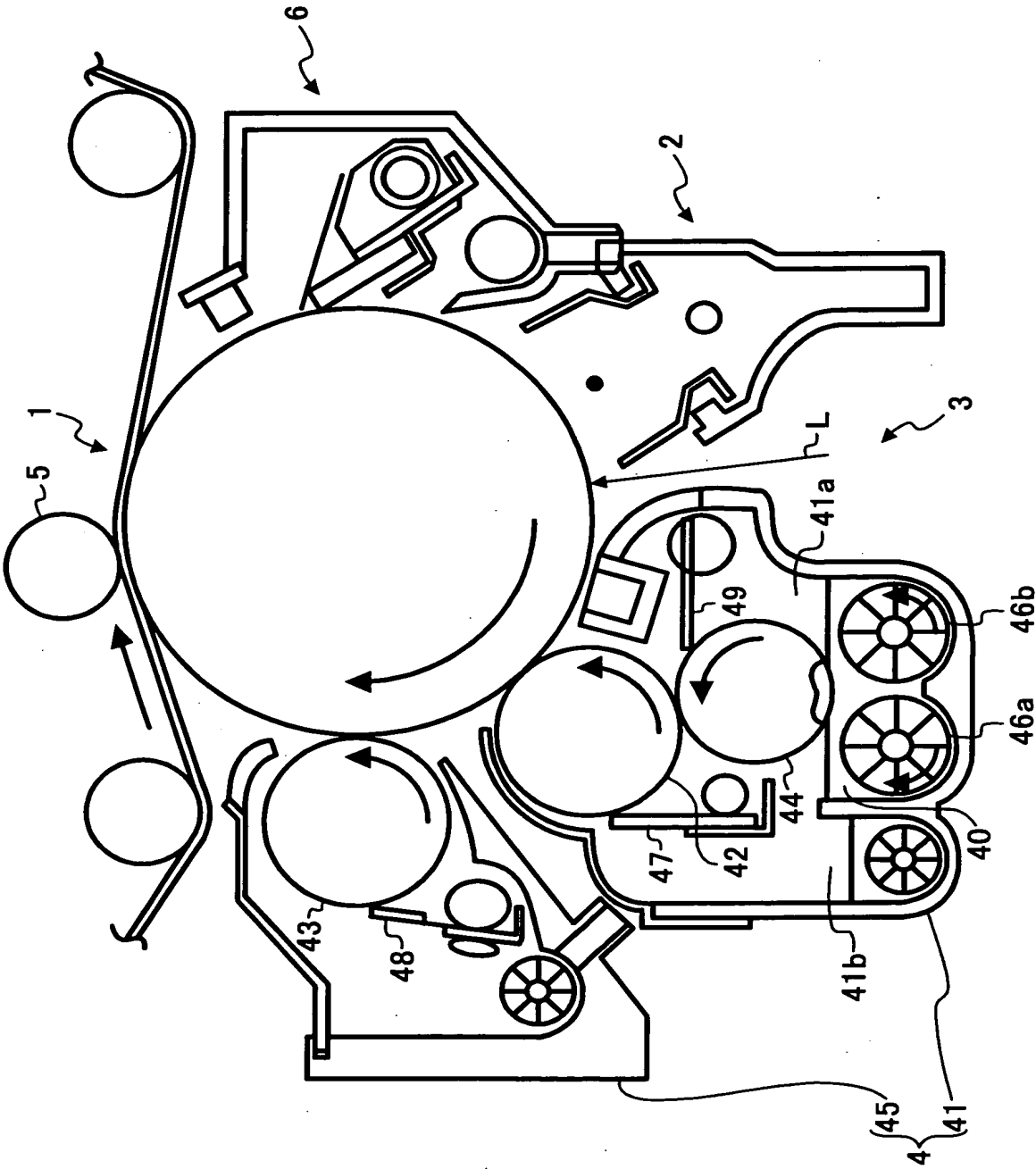


FIG. 10A

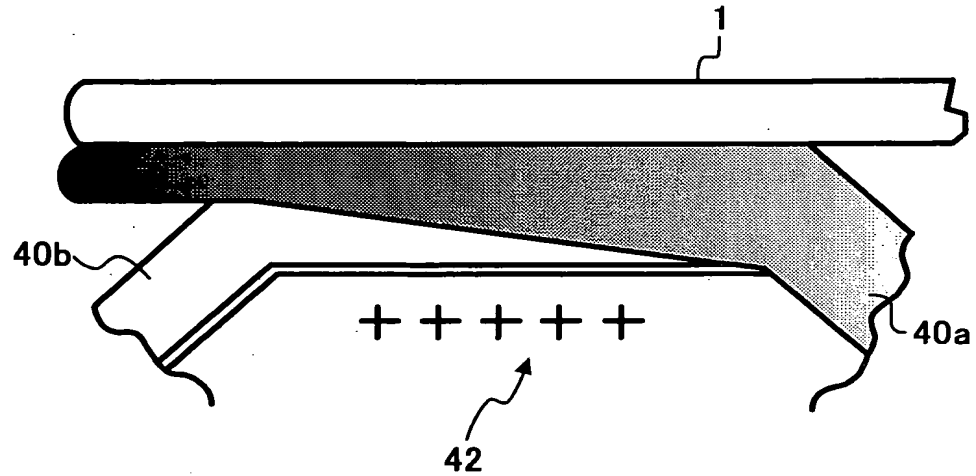


FIG. 10B

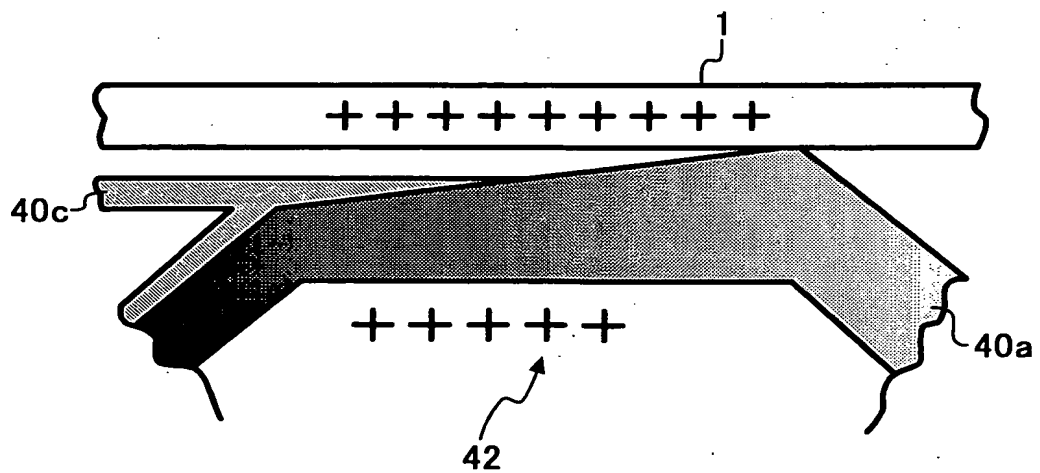


FIG. 11

DEVELOPMENT RATIO	LUMP GENERATION RANK
50%	5
40%	5
30%	4
20%	4
10%	3
0%	1

FIG. 12A

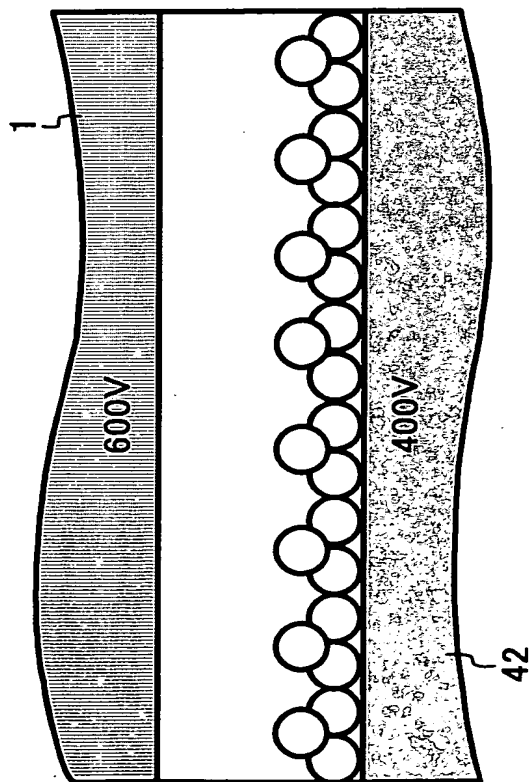


FIG. 12B

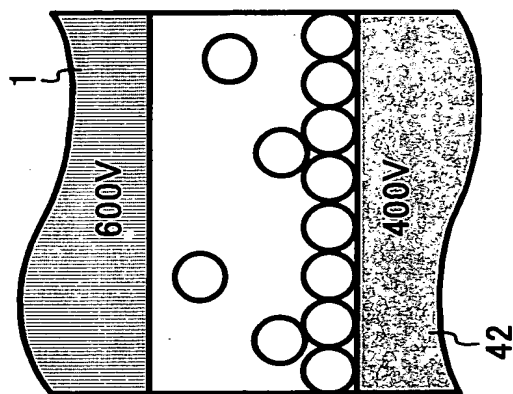


FIG. 12C

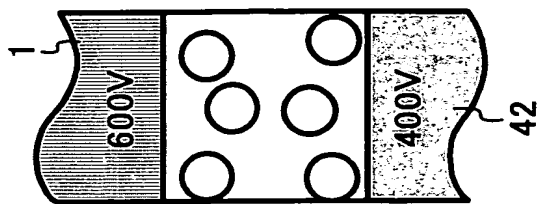


FIG. 13

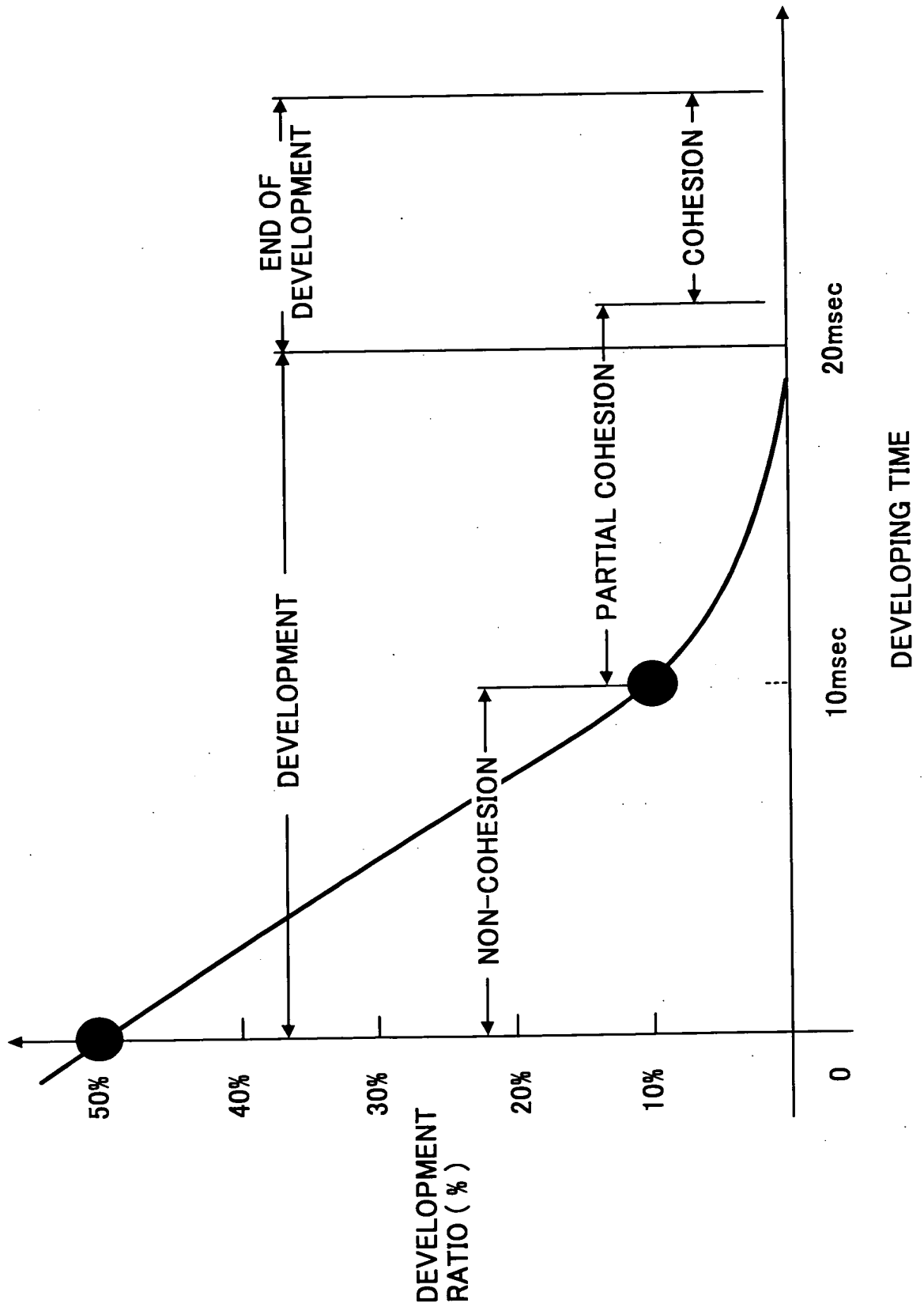


FIG. 14

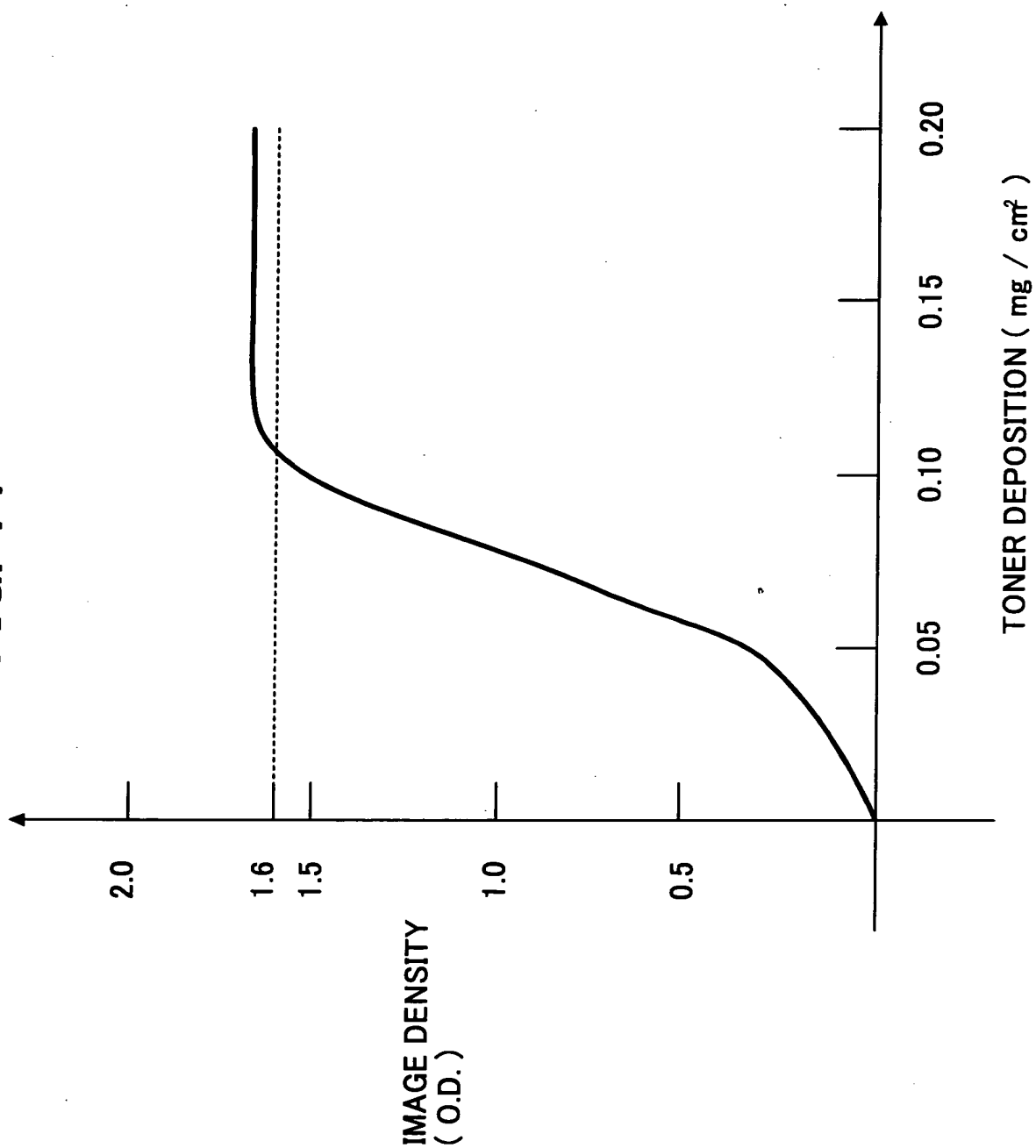


FIG. 15

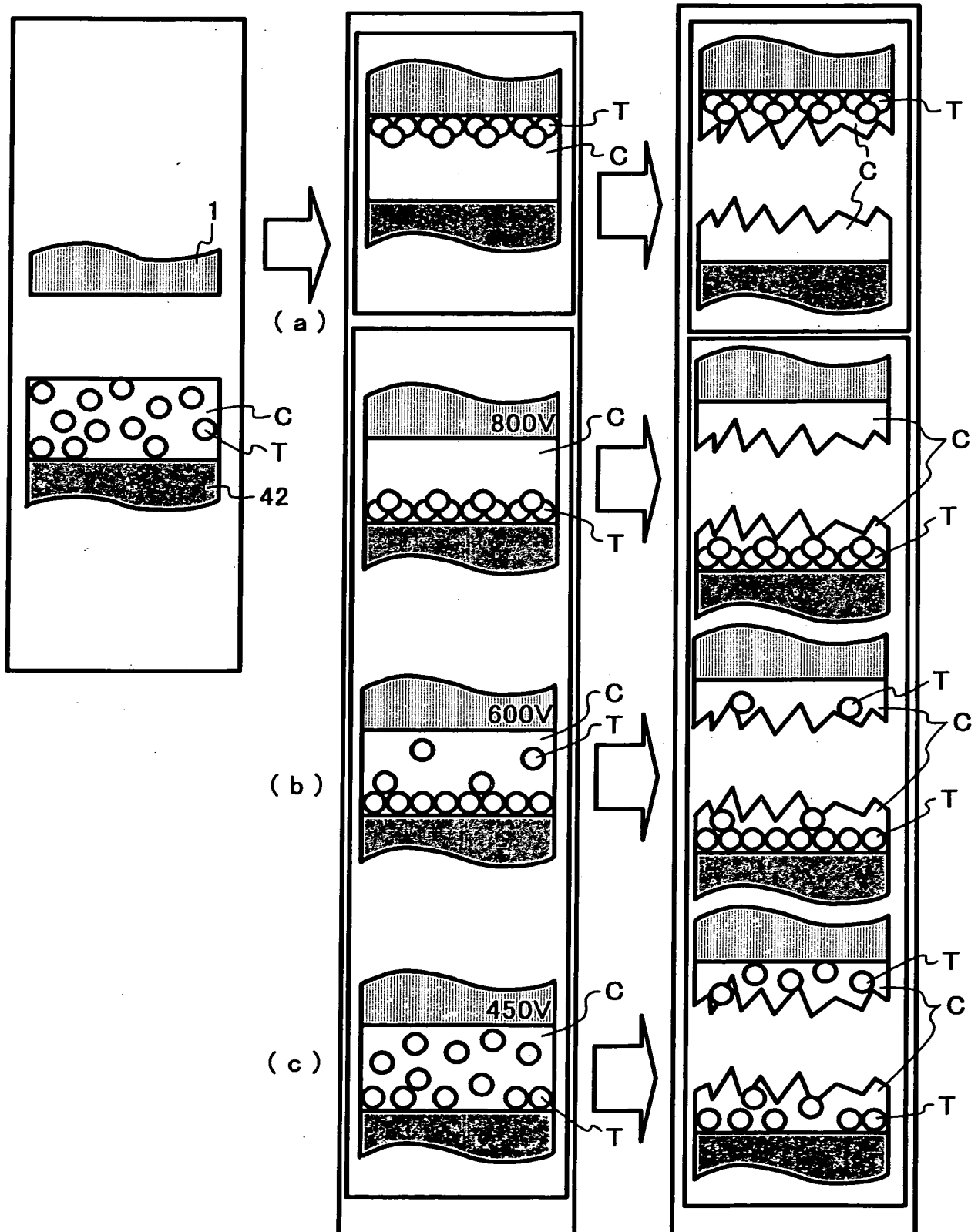


FIG. 16

ELECTRIC FIELD V/m	LUMP GENERATION RANK 5 : NONE ~ 1 : MANY LUMPS	BACKGROUND DENSITY
0	5	BAD
1.00E + 07	5	STAIN
1.50E + 07	5	STAIN
2.00E + 07	4	STAIN
2.50E + 07	4	STAIN
3.00E + 07	3	STAIN
3.50E + 07	2	CLEAR
4.00E + 07	2	CLEAR
5.00E + 07	1	CLEAR

FIG. 17

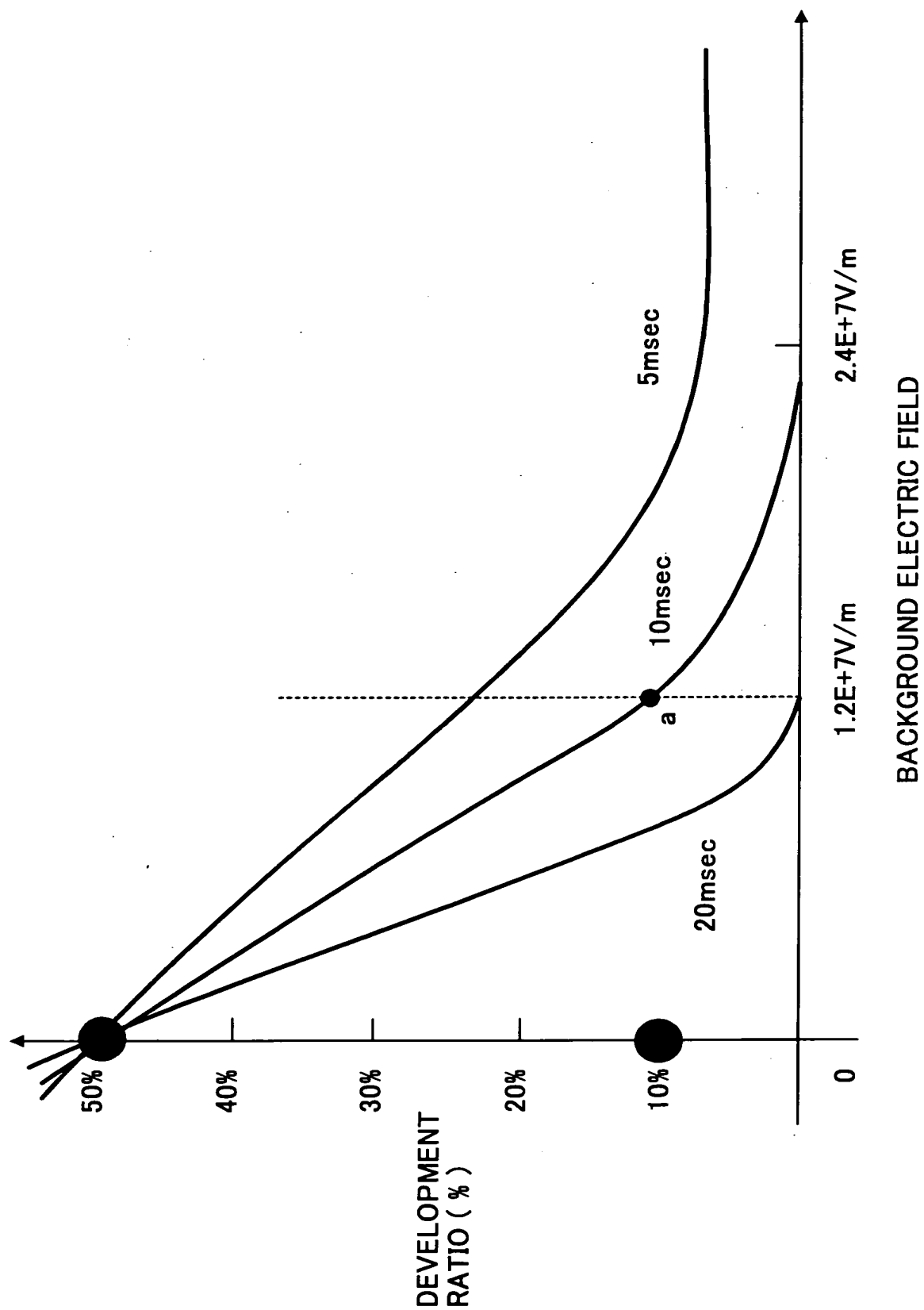


FIG. 18A

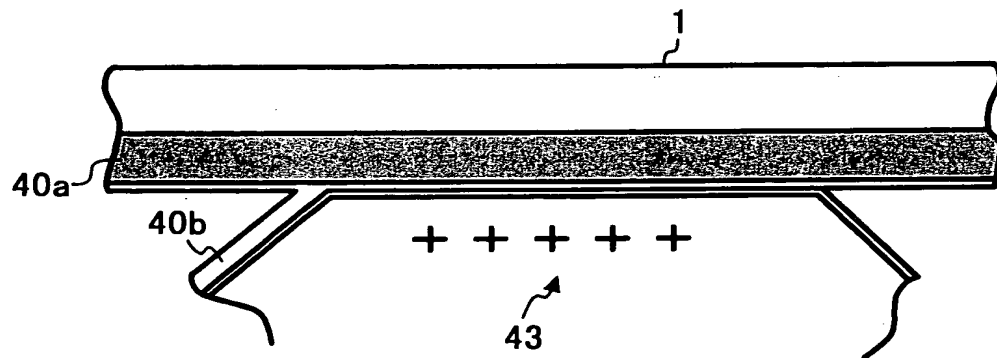


FIG. 18B

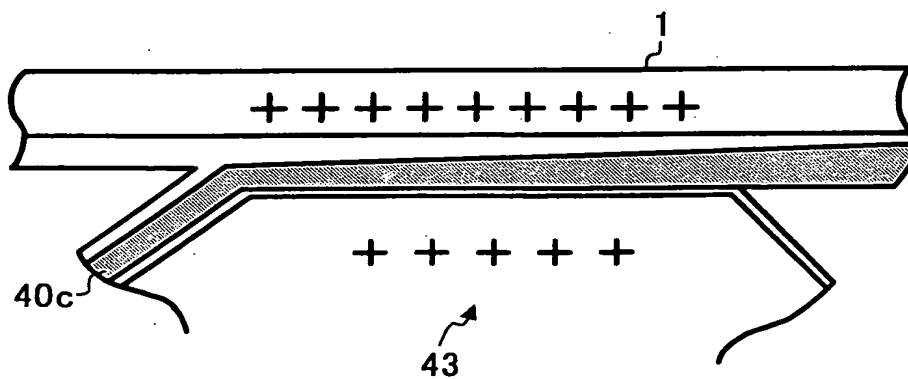


FIG. 19

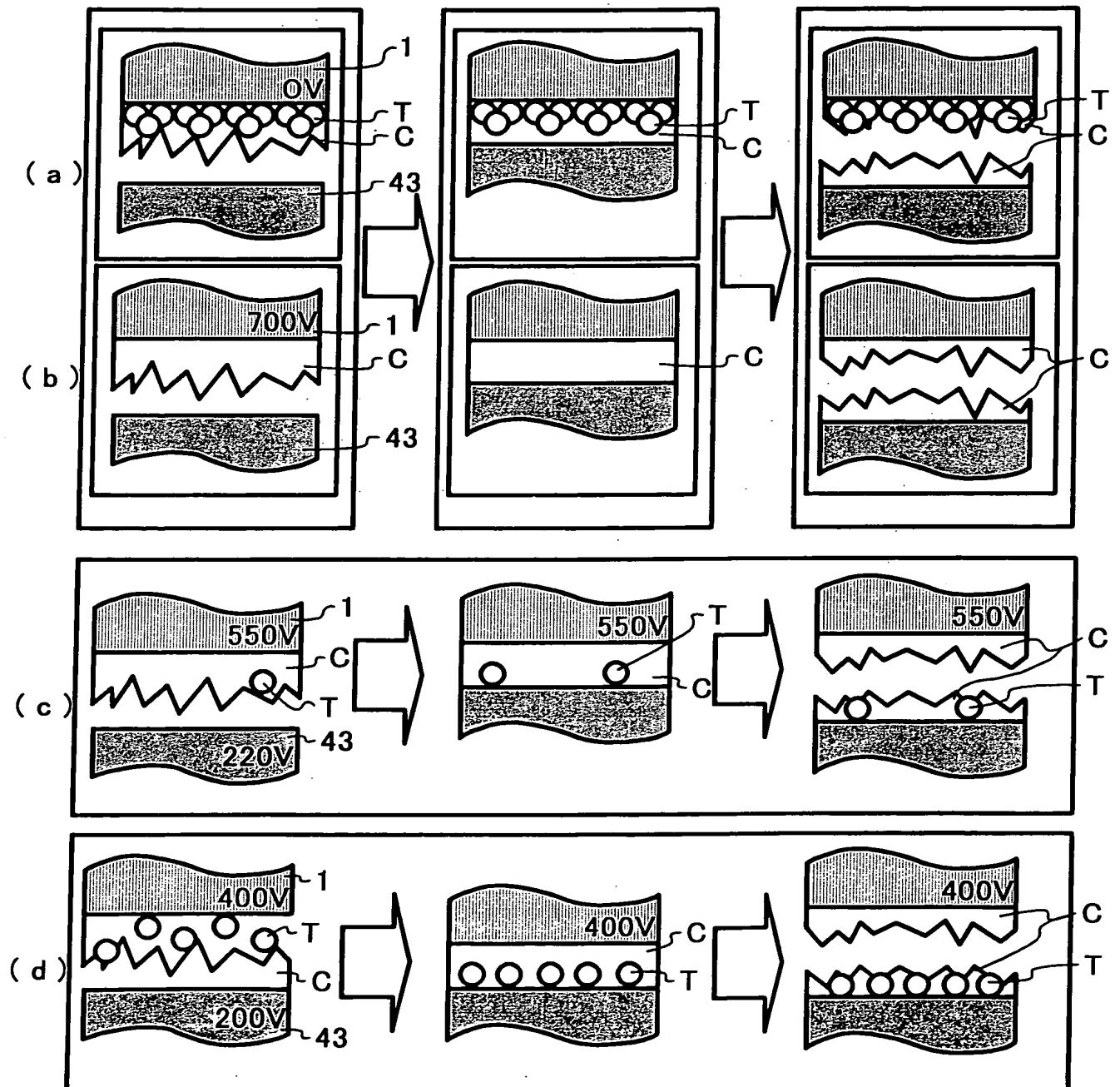


FIG. 20

ELECTRIC FIELD V/m	LUMP GENERATION RANK 5 : NONE ~ 1 : MANY LUMPS	BACKGROUND DENSITY
0	5	BAD
1.00E + 07	5	STAIN
1.50E + 07	5	STAIN
2.00E + 07	5	CLEAR
2.50E + 07	5	CLEAR
3.00E + 07	5	CLEAR
3.50E + 07	4	CLEAR
4.00E + 07	4	CLEAR
5.00E + 07	3	CLEAR

FIG. 21

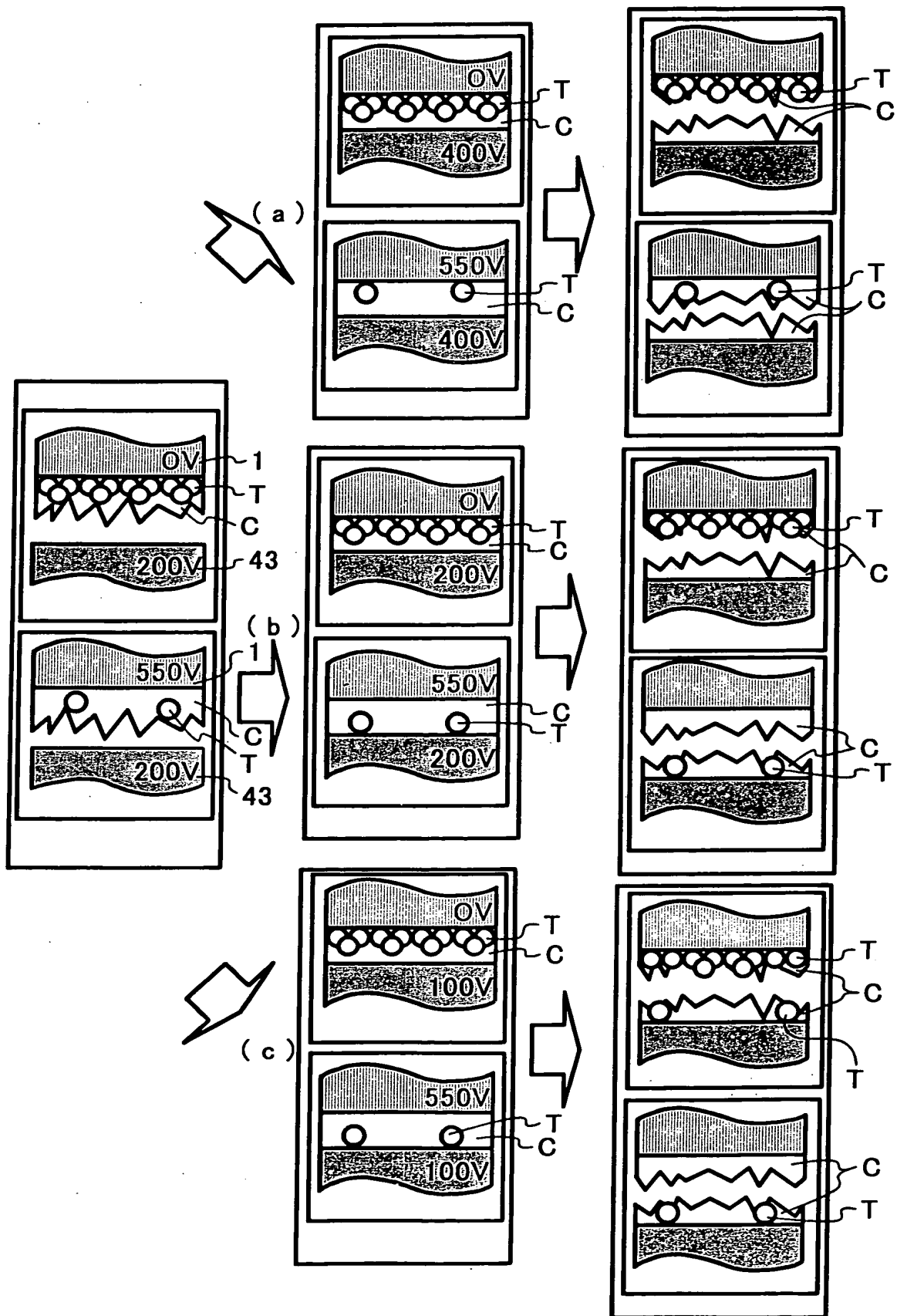


FIG. 22B

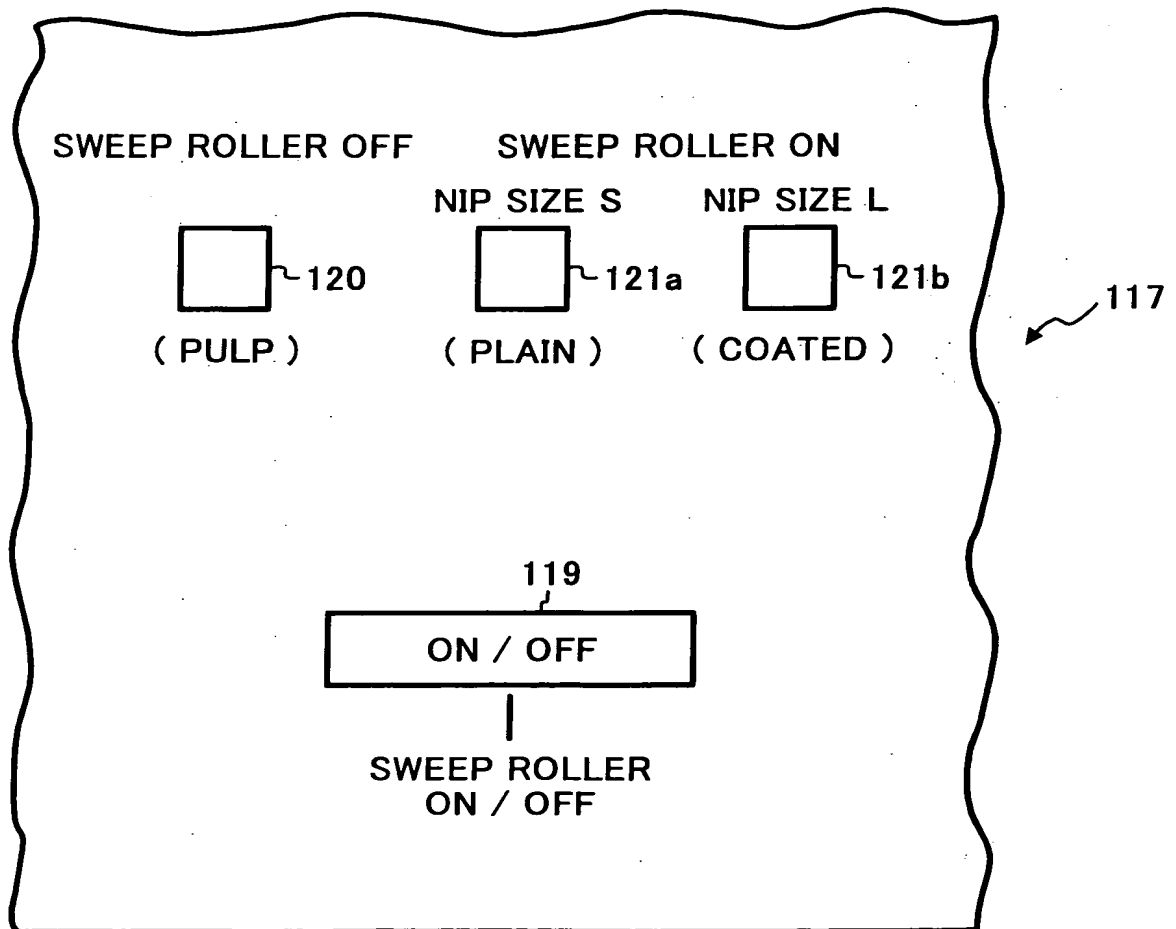


FIG. 23A

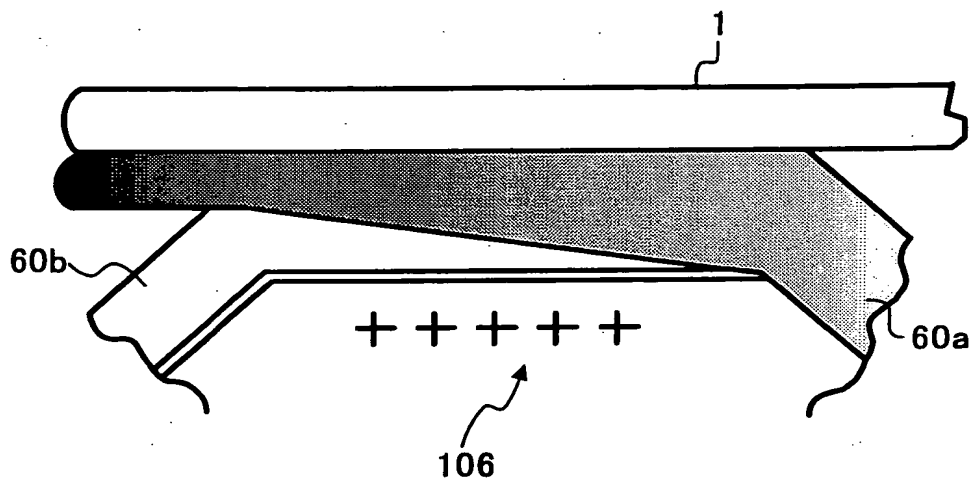


FIG. 23B

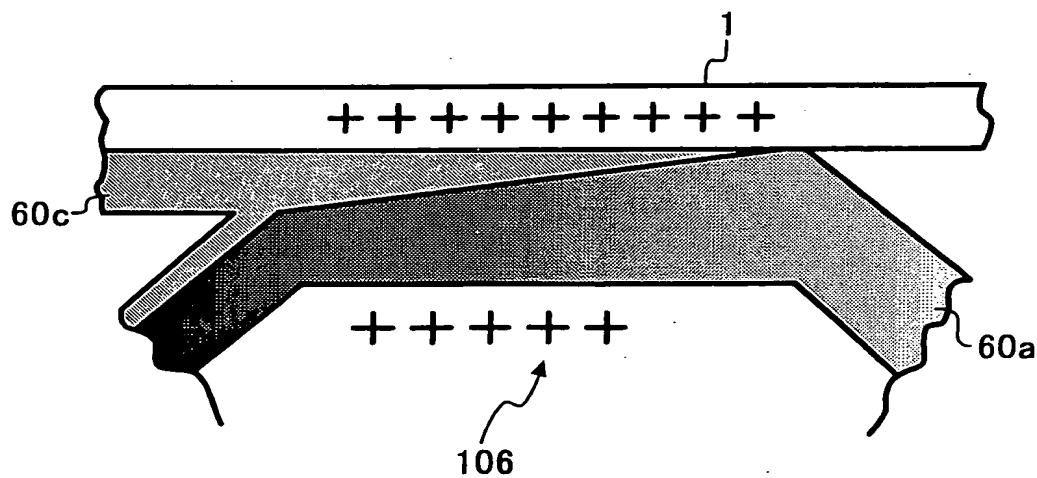


FIG. 24A

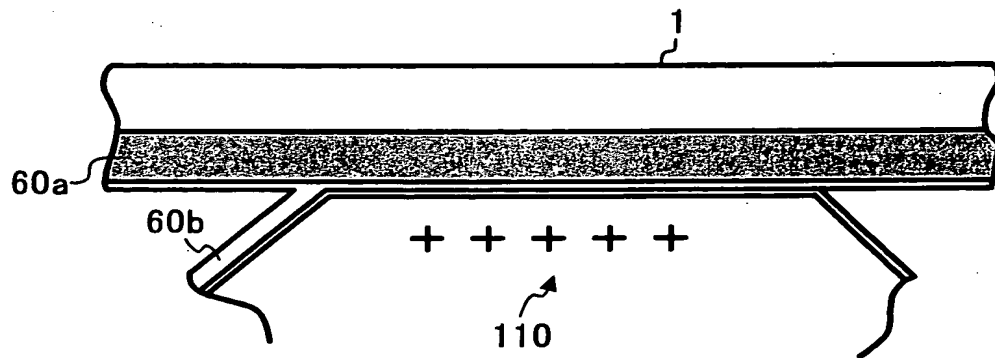


FIG. 24B

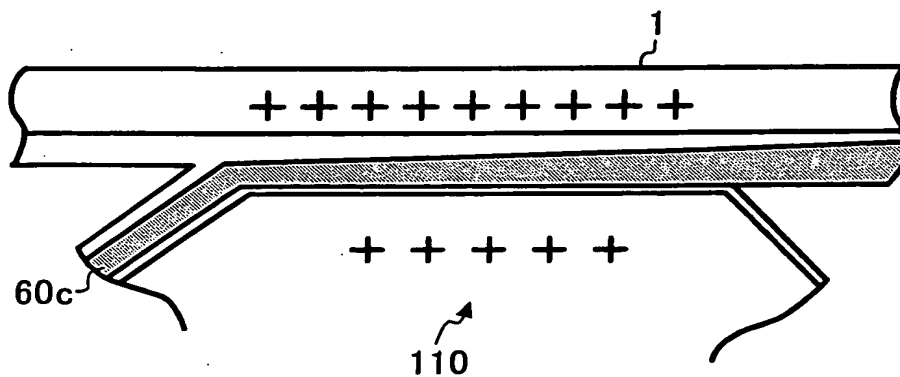


FIG. 25A

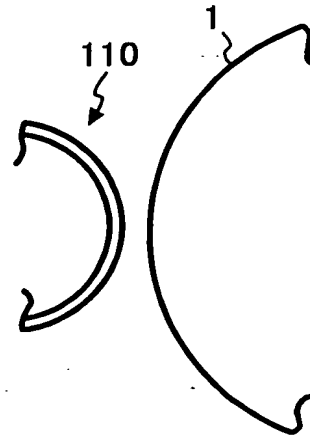


FIG. 25B

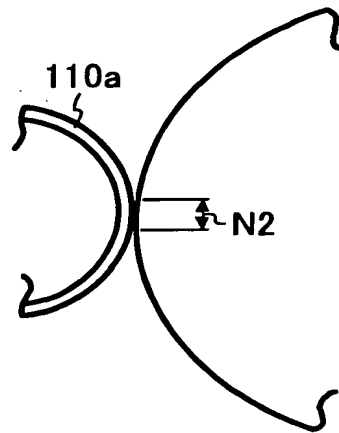


FIG. 25C

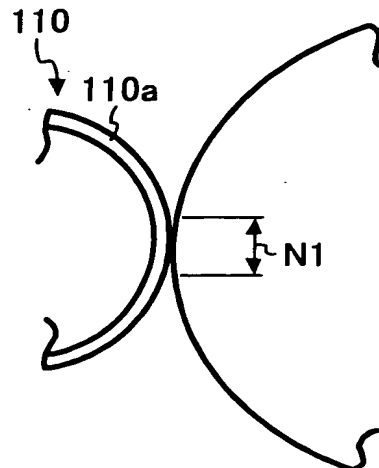


FIG. 26B

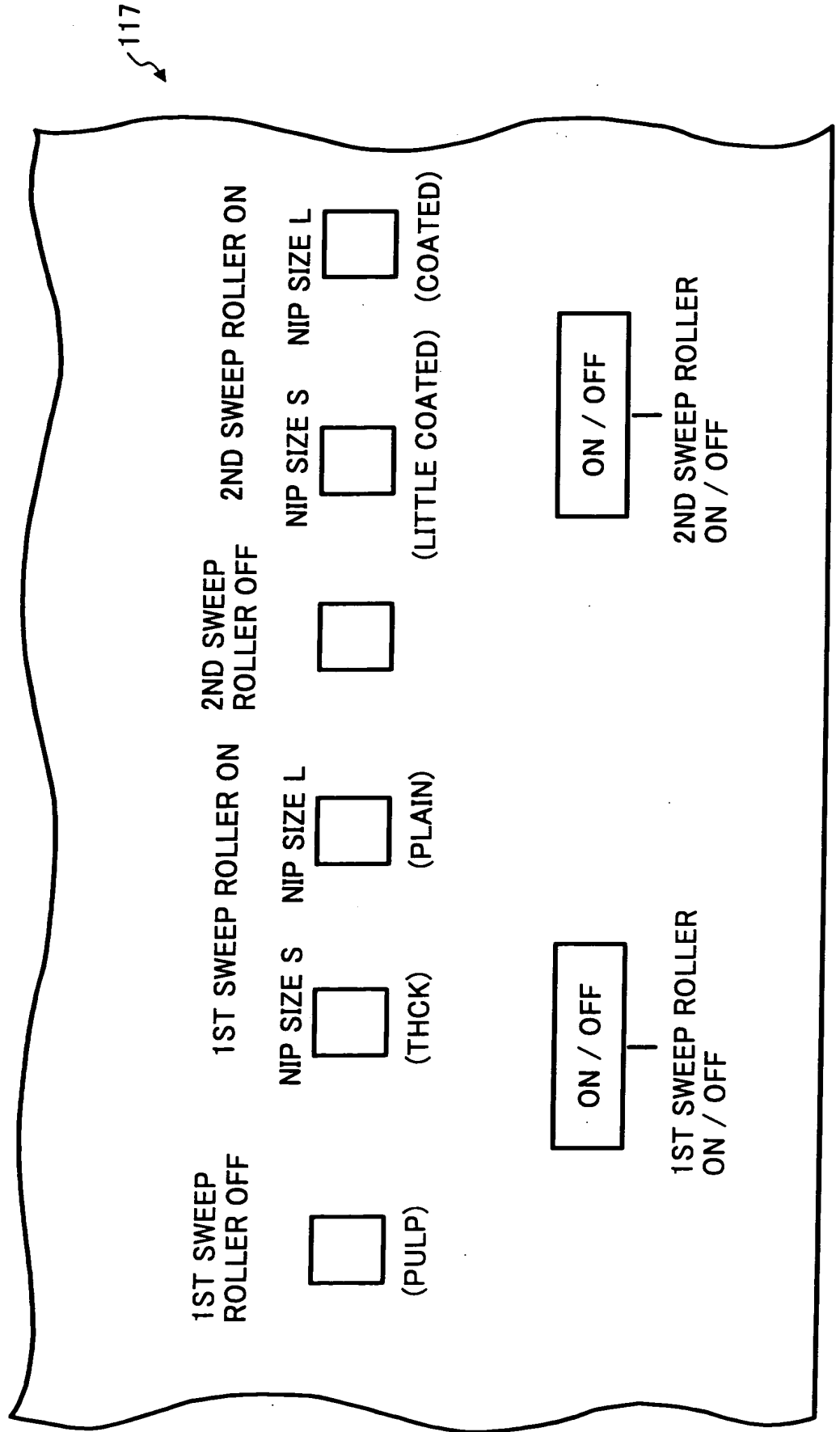


FIG. 27

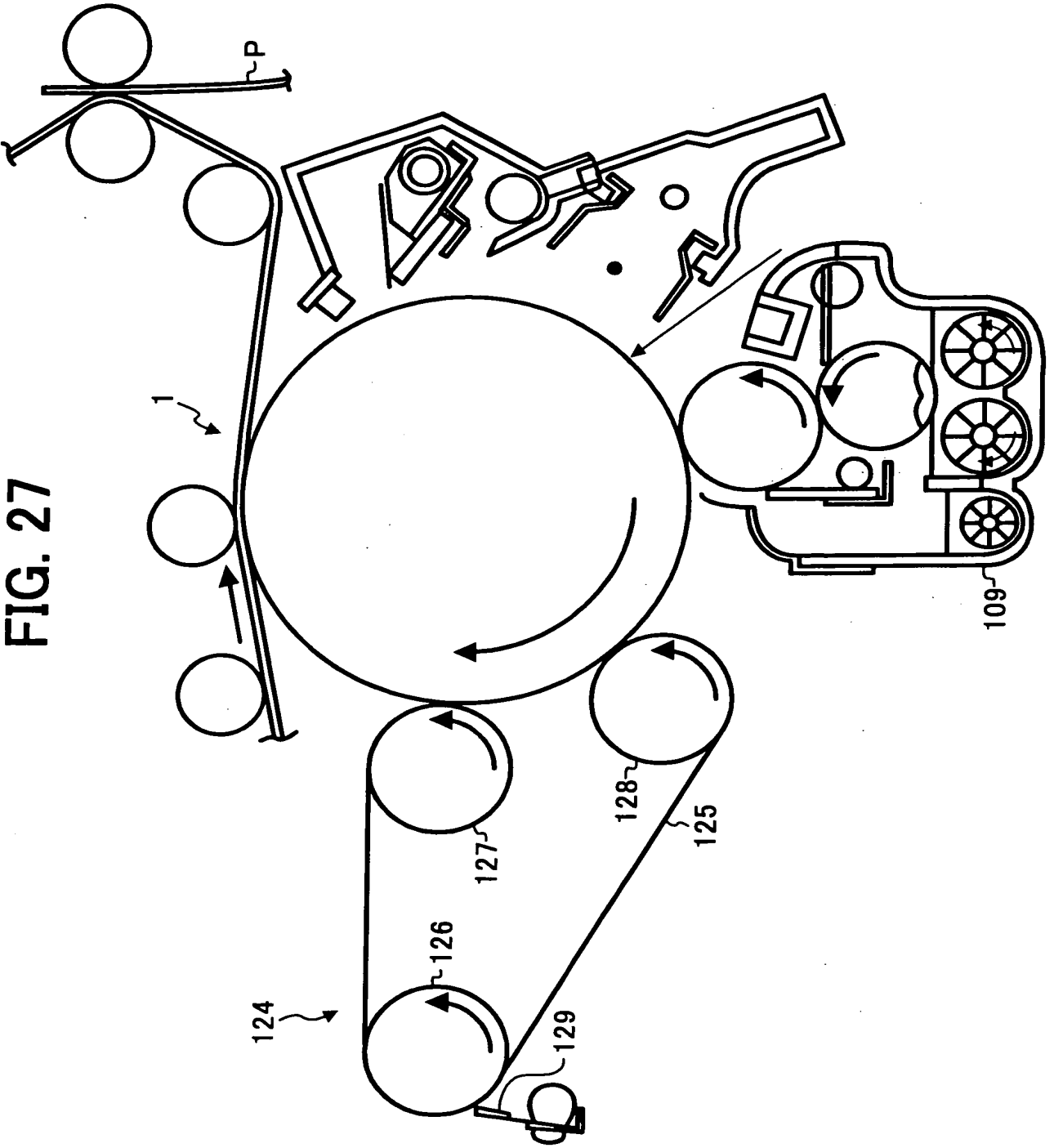


FIG. 28

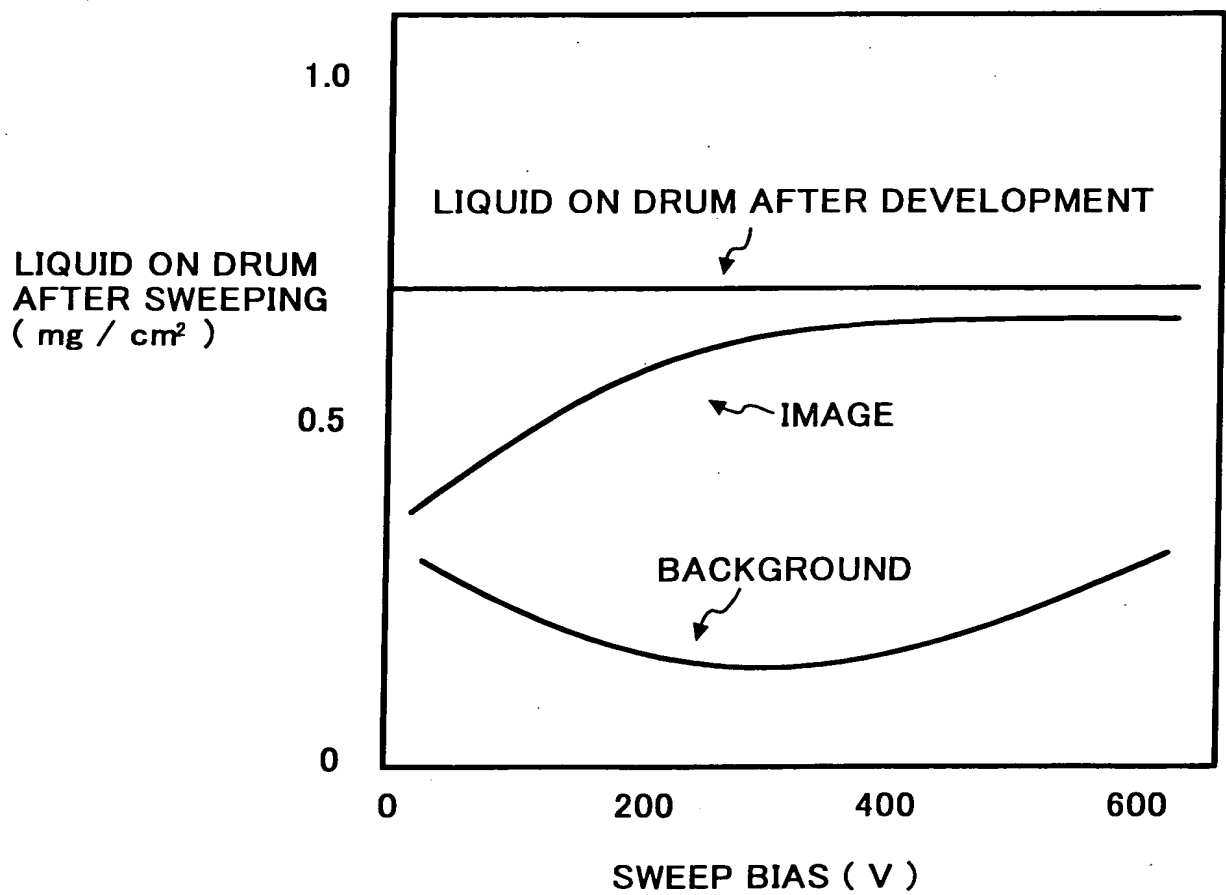


FIG. 29

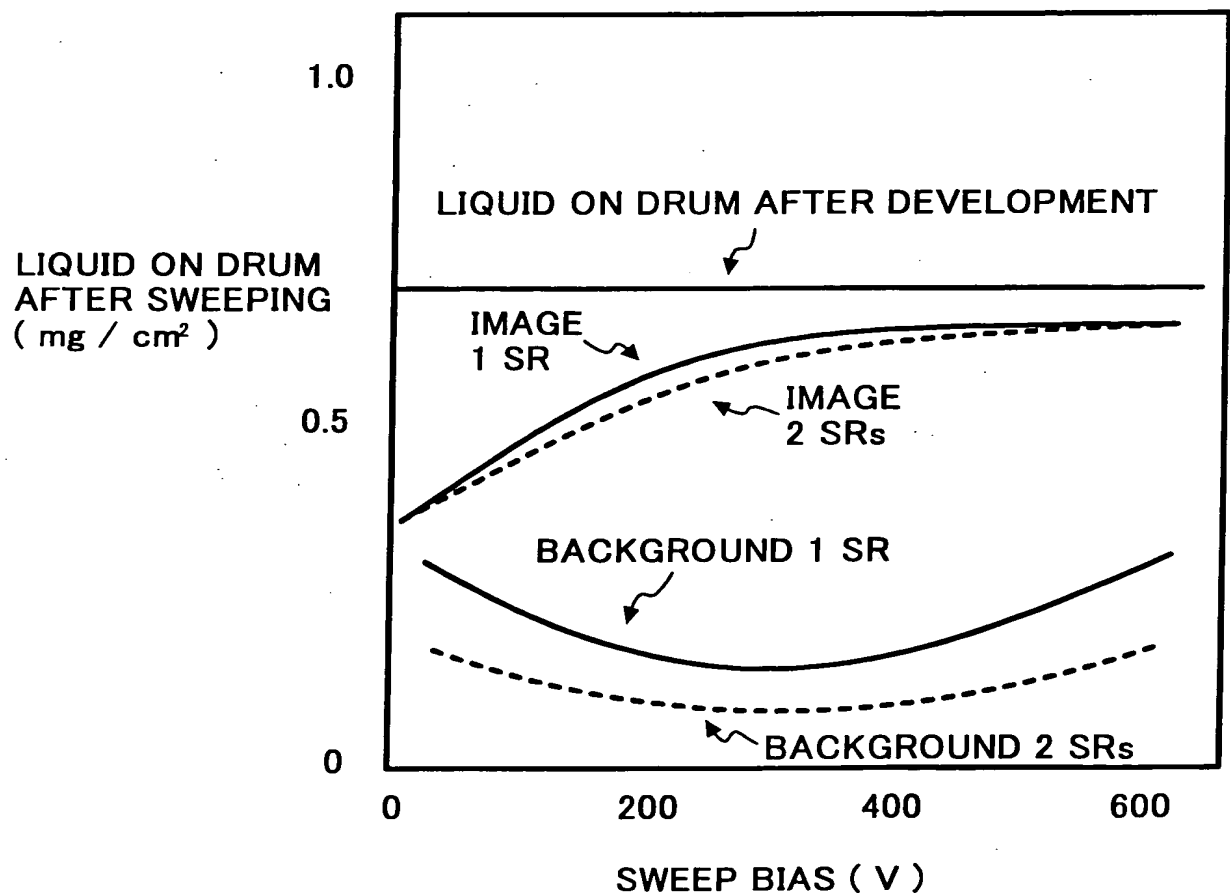


FIG. 30

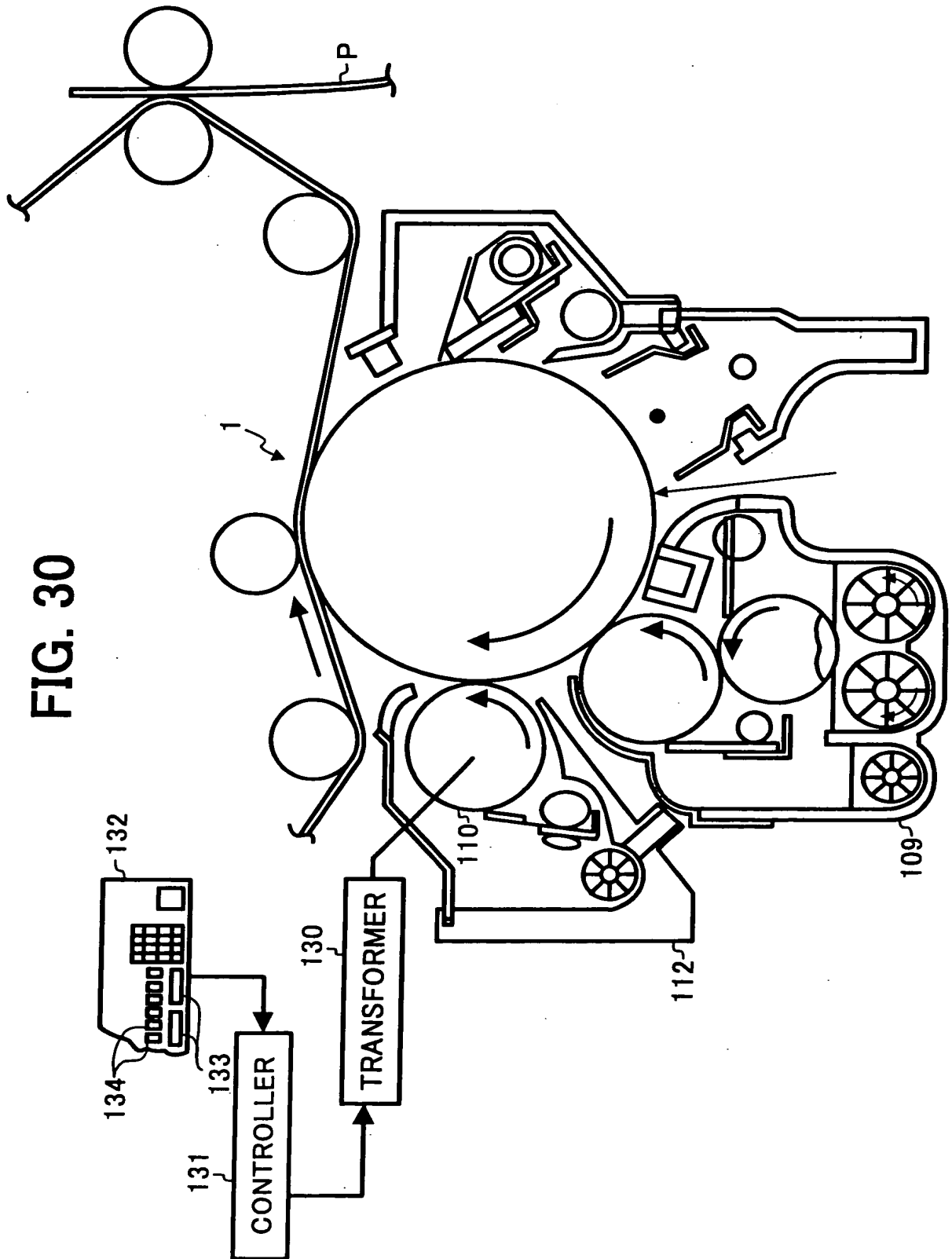


FIG. 31

FIG. 31 is a schematic diagram of a scanning system. A large circular stage (1) is rotated by a motor (116) connected to a resolver (116) and a controller (130). The stage is surrounded by a series of rollers (110) and a track (112). A probe (109) is positioned above the stage. The system is controlled by a computer (130) connected to a controller (130).

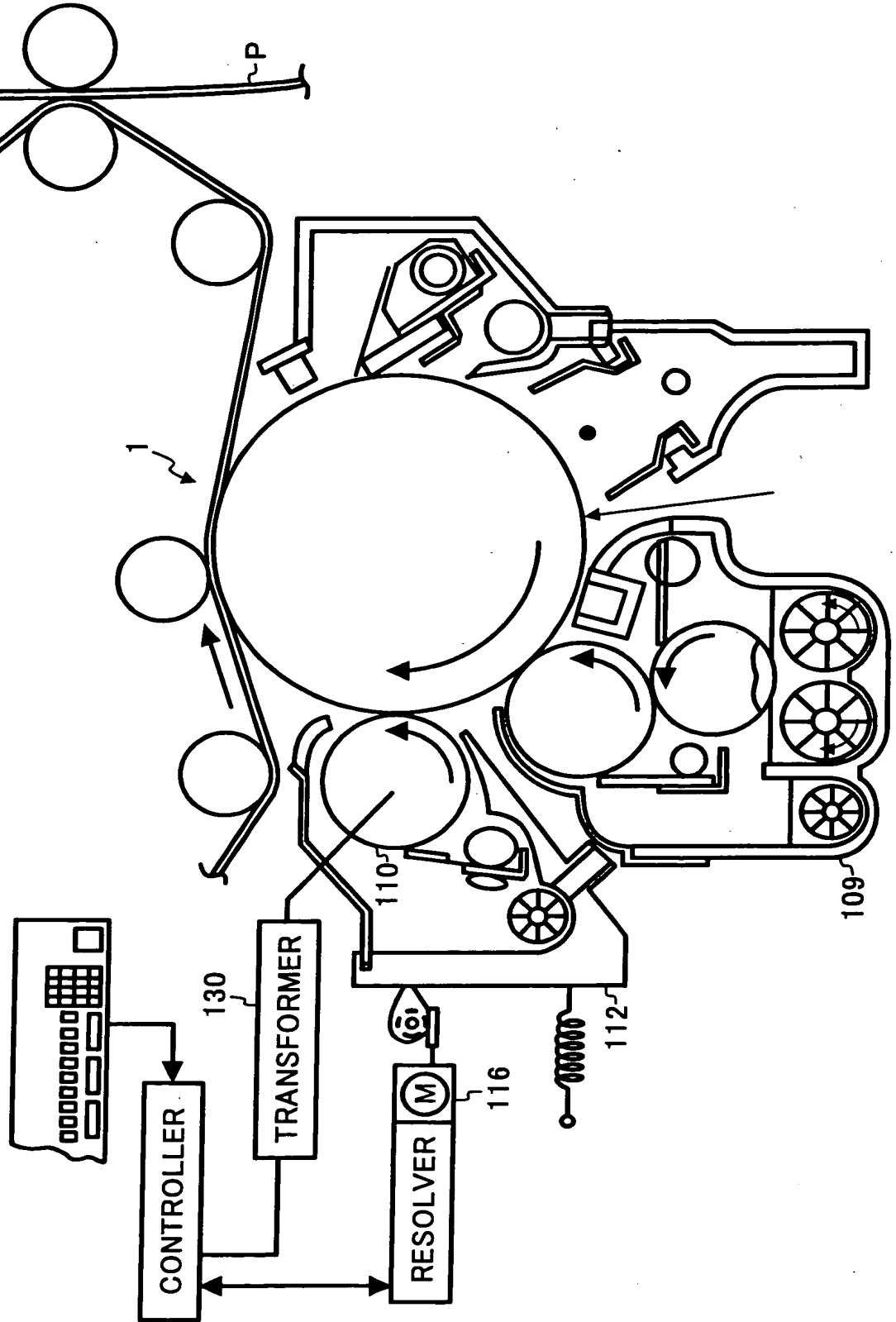
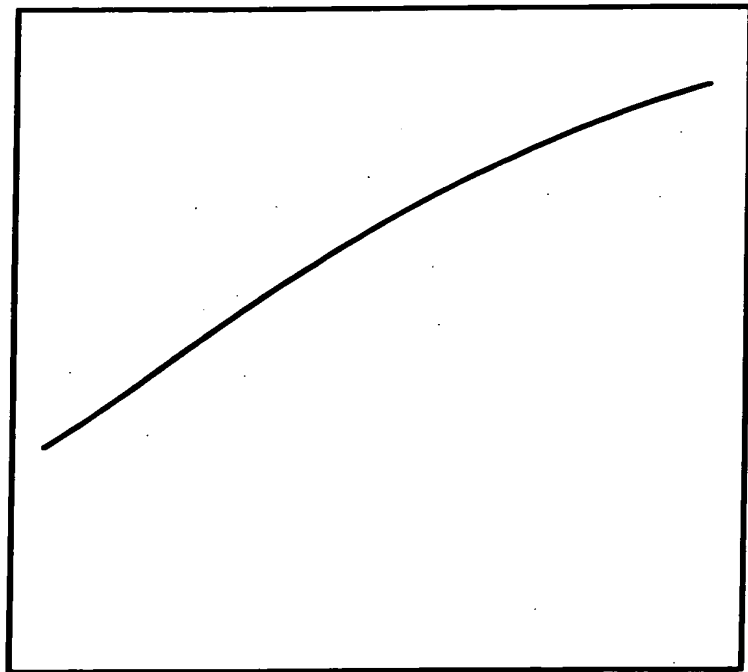


FIG. 32

LIQUID ON DRUM
AFTER SWEEPING
(mg / cm²)



LIQUID ON SWEEP ROLLER (mg / cm²)

FIG. 33A

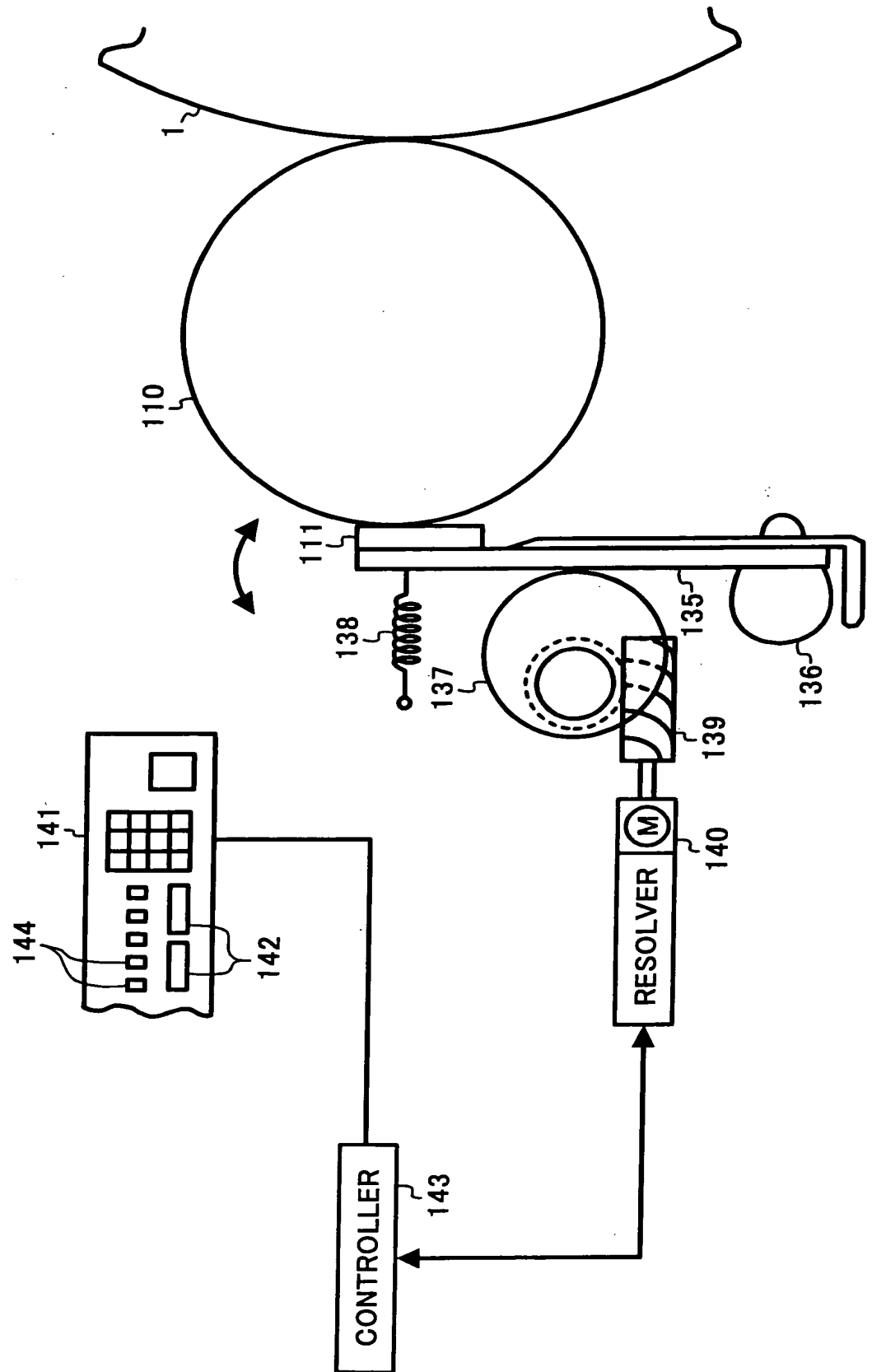


FIG. 33B

